

ABSTRACT OF THE DISCLOSURE

A potential difference between a surface potential of a photo sensor and a surface potential of an intermediate transfer belt is set such that a discharging occurs at an image section and no discharging occurs at a non-image section. Once a discharging has occurred at the non-image section on the photo sensor, the potential of the non-image section of the photo sensor is attenuated. Further, the polarity of the toner that slightly remains on the photo sensor at a developing time is inverted by the discharging.